

| | Type | Hits | Search Text | DBs | Time Stamp | Com men ts | Er ro r De fi ni ti on | Er ro rs |
|----|------|------|---|------------------------|---------------------|------------------|---|----------------|
| 1 | BRS | 0 | '09/965,410' and (hv\$1 v\$1 vr) and ((control\$5 adjust\$5 tun\$5 coupler\$1) same wavelength\$1) and grating\$1 | USPAT; US-PGPU B | 2003/11/20 17:25 | | | 0 |
| 2 | BRS | 1 | '09/965,410' and ((control\$5 adjust\$5 tun\$5 coupler\$1) same wavelength\$1) and grating\$1 | USPAT; US-PGPU B | 2003/11/21 15:09 | | | 0 |
| 3 | BRS | 1 | '09/965,410' and ((control\$5 adjust\$5 tun\$5 coupler\$1 variab\$4) same wavelength\$1) and grating\$1 and center\$4 | USPAT; US-PGPU B | 2003/11/19 19:02 | | | 0 |
| 4 | BRS | 1 | '09/965,410' and ((control\$5 adjust\$5 tun\$5 coupler\$1 variab\$4 vary var\$4) same wavelength\$1) and grating\$1 and center\$4 | USPAT; US-PGPU B | 2003/11/19 19:02 | | | 0 |
| 5 | BRS | 1 | '09/965,410' | USPAT; US-PGPU B | 2003/11/21 12:55 | | | 0 |
| 6 | BRS | 1 | '09/965,410' and (input\$4 same wavelength\$1) | USPAT; US-PGPU B | 2003/11/20 10:51 | | | 0 |
| 7 | BRS | 1 | '09/965,410' and (input\$4 same wavelength\$1 center\$4) | USPAT; US-PGPU B | 2003/11/20 12:28 | | | 0 |
| 8 | BRS | 1 | '09/965,410' and (wavelength\$1 same (grater\$2 equal)) | USPAT; US-PGPU B | 2003/11/20 11:34 | | | 0 |
| 9 | BRS | 1 | '09/965,410' and (wavelength\$1 same (greater\$2 equal)) | USPAT; US-PGPU B | 2003/11/20 11:39 | | | 0 |
| 10 | BRS | 2009 | 385/37.ccls. | USPAT; US-PGPU B | 2003/11/20 11:40 | | | 0 |
| 11 | BRS | 369 | 385/37.ccls. and (control\$4 same (vari\$5 tun\$6 vary\$3) near11 (grating\$1 reflect\$4) same grating\$1) | USPAT; US-PGPU B | 2003/11/20 11:57 | | | 0 |
| 12 | BRS | 1903 | (control\$4 same (vari\$5 tun\$6 vary\$3) near11 (grating\$1 reflect\$4) same grating\$1) | USPAT; US-PGPU B | 2003/11/20 11:55 | | | 0 |
| 13 | BRS | 1389 | wavelength\$1 with center\$3 with grating\$1 | USPAT; US-PGPU B | 2003/11/20 11:56 | | | 0 |
| 14 | BRS | 152 | (385/37.ccls. and (control\$4 same (vari\$5 tun\$6 vary\$3) near11 (grating\$1 reflect\$4) same grating\$1) and (wavelength\$1 with center\$3 with grating\$1) | USPAT; US-PGPU B | 2003/11/20 11:56 | | | 0 |
| 15 | BRS | 371 | (control\$4 same ((vari\$5 tun\$6 vary\$3) near11 grating\$1 near7 reflect\$4)) | USPAT; US-PGPU B | 2003/11/20 12:00 | | | 0 |

| | Type | Hits | Search Text | DBs | Time Stamp | Co mm n i t s | Er ro r D e f i n i t i o n | Er ro rs |
|----|------|------|--|------------------------|---------------------|------------------------------|---|----------------|
| 16 | BRS | 53 | ((385/37.ccls. and (control\$4 same (vari\$5 tun\$6 vary\$3) near11 (grating\$1 reflect\$4) same grating\$1)) and (wavelength\$1 with center\$3 with grating\$1)) and ((control\$4 same ((vari\$5 tun\$6 vary\$3) near11 grating\$1 near7 reflect\$4))) | USPAT; US-PGPU B | 2003/11/20 12:00 | | | 0 |
| 17 | BRS | 44 | ((385/37.ccls. and (control\$4 same (vari\$5 tun\$6 vary\$3) near11 (grating\$1 reflect\$4) same grating\$1)) and (wavelength\$1 with center\$3 with grating\$1)) and ((control\$4 same ((vari\$5 tun\$6 vary\$3) near11 grating\$1 near7 reflect\$4))) and (control\$4 near9 (stress\$3 strain\$4 electro\$3 heat\$4 electr\$4 current\$1)) | USPAT; US-PGPU B | 2003/11/20 12:03 | | | 0 |
| 18 | BRS | 42 | ((385/37.ccls. and (control\$4 same (vari\$5 tun\$6 vary\$3) near11 (grating\$1 reflect\$4) same grating\$1)) and (wavelength\$1 with center\$3 with grating\$1)) and ((control\$4 same ((vari\$5 tun\$6 vary\$3) near11 grating\$1 near7 reflect\$4))) and ((control\$4 near9 (stress\$3 strain\$4 electro\$3 heat\$4 electr\$4 current\$1)) same grating\$1) | USPAT; US-PGPU B | 2003/11/20 15:15 | | | 0 |
| 19 | BRS | 1 | '09/965,410' and (input\$4 same wavelength\$1 same center\$4) | USPAT; US-PGPU B | 2003/11/20 12:29 | | | 0 |
| 20 | BRS | 54 | ((385/\$.ccls. and (control\$4 same (vari\$5 tun\$6 vary\$3) near11 (grating\$1 reflect\$4) same grating\$1)) and (wavelength\$1 with center\$3 with grating\$1)) and ((control\$4 same ((vari\$5 tun\$6 vary\$3) near11 grating\$1 near7 reflect\$4))) and ((control\$4 near9 (stress\$3 strain\$4 electro\$3 heat\$4 electr\$4 current\$1)) same grating\$1) | USPAT; US-PGPU B | 2003/11/20 15:32 | | | 0 |
| 21 | BRS | 42 | ((385/37.ccls. and (control\$4 same (vari\$5 tun\$6 vary\$3) near11 (grating\$1 reflect\$4) same grating\$1)) and (wavelength\$1 with center\$3 with grating\$1)) and ((control\$4 same ((vari\$5 tun\$6 vary\$3) near11 grating\$1 near7 reflect\$4))) and ((control\$4 near9 (stress\$3 strain\$4 electro\$3 heat\$4 electr\$4 current\$1)) same grating\$1) | USPAT; US-PGPU B | 2003/11/20 15:16 | | | 0 |

| | Type | Hits | Search Text | DBs | Time Stamp | Com men ts | Er ro r De fi ni ti on | Er ro rs |
|----|------|------|--|-------------------------|---------------------|------------------|---|----------------|
| 22 | BRS | 12 | (((385/\$.ccls. and (control\$4 same (vari\$5 tun\$6 vary\$3) near11 (grating\$1 reflect\$4) same grating\$1)) and (wavelength\$1 with center\$3 with grating\$1)) and ((control\$4 same ((vari\$5 tun\$6 vary\$3) near11 grating\$1 near7 reflect\$4)))) and ((control\$4 near9 (stress\$3 strain\$4 electro\$3 heat\$4 electr\$4 current\$1)) same grating\$1)) not (((385/37.ccls. and (control\$4 same (vari\$5 tun\$6 vary\$3) near11 (grating\$1 reflect\$4) same grating\$1)) and (wavelength\$1 with center\$3 with grating\$1)) and ((control\$4 same ((vari\$5 tun\$6 vary\$3) near11 grating\$1 near7 reflect\$4)))) and ((control\$4 near9 (stress\$3 strain\$4 electro\$3 heat\$4 electr\$4 current\$1)) same grating\$1)) | USPAT; US-PGPU B | 2003/11/20 15:16 | | | 0 |
| 23 | BRS | 1 | (((control\$4 same (vari\$5 tun\$6 vary\$3) near11 (grating\$1 reflect\$4) same grating\$1)) and (wavelength\$1 with center\$3 with grating\$1)) and ((control\$4 same ((vari\$5 tun\$6 vary\$3) near11 grating\$1 near7 reflect\$4)))) and ((control\$4 near9 (stress\$3 strain\$4 electro\$3 heat\$4 electr\$4 current\$1)) same grating\$1) | EPO; JPO; DERWENT | 2003/11/20 15:36 | | | 0 |
| 24 | BRS | 33 | (((control\$4 same (vari\$5 tun\$6 vary\$3) near11 (grating\$1 reflect\$4) same grating\$1)) and (wavelength\$1 with center\$3 with grating\$1)) and ((control\$4 same ((vari\$5 tun\$6 vary\$3) near11 grating\$1 near7 reflect\$4)))) and ((control\$4 near9 (stress\$3 strain\$4 electro\$3 heat\$4 electr\$4 current\$1)) same grating\$1)) not (((385/\$.ccls. and (control\$4 same (vari\$5 tun\$6 vary\$3) near11 (grating\$1 reflect\$4) same grating\$1)) and (wavelength\$1 with center\$3 with grating\$1)) and ((control\$4 same ((vari\$5 tun\$6 vary\$3) near11 grating\$1 near7 reflect\$4)))) and ((control\$4 near9 (stress\$3 strain\$4 electro\$3 heat\$4 electr\$4 current\$1)) same grating\$1)) | USPAT; US-PGPU B | 2003/11/20 17:57 | | | 0 |

| | Type | Hits | Search Text | DBs | Time Stamp | Comments | Errors |
|----|------|------|---|------------------------|---------------------|----------|--------|
| 25 | BRS | 12 | ("6594288" "5591965" "6633695" "6453095" "6208773" "6185023" "6181852" "6020986" "5889901" "5699377" "5557442" "5446809").pn. | USPAT; US-PGPU B | 2003/11/20 16:55 | | 0 |
| 26 | BRS | 7 | (("6594288" "5591965" "6633695" "6453095" "6208773" "6185023" "6181852" "6020986" "5889901" "5699377" "5557442" "5446809").pn.) and (reson\$5 cavit\$4) | USPAT; US-PGPU B | 2003/11/20 16:56 | | 0 |
| 27 | BRS | 2 | (("6594288" "5591965" "6633695" "6453095" "6208773" "6185023" "6181852" "6020986" "5889901" "5699377" "5557442" "5446809").pn.) and (cavit\$4) | USPAT; US-PGPU B | 2003/11/20 17:45 | | 0 |
| 28 | BRS | 1 | '09/965,410' and (wavelength\$1 sourc\$2 'than') | USPAT; US-PGPU B | 2003/11/20 17:26 | | 0 |
| 29 | BRS | 1 | ((("6594288").pn.) and (wavelength\$1) | USPAT; US-PGPU B | 2003/11/20 17:46 | | 0 |
| 30 | BRS | 1 | ((("6594288" "5591965" "6633695" "6453095" "6208773" "6185023" "6181852" "6020986" "5889901" "5699377" "5557442" "5446809").pn.) and (reson\$5 cavit\$4)) and raman | USPAT; US-PGPU B | 2003/11/20 17:58 | | 0 |
| 31 | BRS | 1 | '09/965,410' | USPAT; US-PGPU B | 2003/11/20 17:59 | | 0 |
| 32 | BRS | 1 | ("6594288").pn. | USPAT; US-PGPU B | 2003/11/21 11:26 | | 0 |
| 33 | BRS | 1 | ("6594288").pn. | USPAT; US-PGPU B | 2003/11/21 11:26 | | 0 |
| 34 | BRS | 1 | ((("6594288").pn.) and ((var\$5 tun\$5 adjust\$5) near7 reflect\$7) | USPAT; US-PGPU B | 2003/11/21 11:36 | | 0 |
| 35 | BRS | 1 | ((("6594288").pn.) and ((var\$5 tun\$5 adjust\$5) same reflect\$7 same (stress\$4 heat\$4 current electr\$5 volt\$4 electrode\$4)) | USPAT; US-PGPU B | 2003/11/21 11:42 | | 0 |
| 36 | BRS | 1 | ((("6594288").pn.) and (stress\$4 heat\$4 current electr\$5 volt\$4 electrode\$4) | USPAT; US-PGPU B | 2003/11/21 12:04 | | 0 |
| 37 | BRS | 0 | ((("6594288").pn.) and (grating same chirp\$4 same wavelength\$1) | USPAT; US-PGPU B | 2003/11/21 12:05 | | 0 |

| | Type | Hits | Search Text | DBs | Time Stamp | Comments | Error Definition | Errors |
|----|------|------|---|------------------------|---------------------|----------|------------------|--------|
| 38 | BRS | 0 | ((("6594288").pn.) and (grating same chirp\$4) | USPAT; US-PGPU B | 2003/11/21 12:11 | | | 0 |
| 39 | BRS | 1 | ((("6594288").pn.) and (reflect\$7 percent\$4) | USPAT; US-PGPU B | 2003/11/21 12:20 | | | 0 |
| 40 | BRS | 1 | ((("6594288").pn.) and (raman reson\$6) | USPAT; US-PGPU B | 2003/11/21 12:20 | | | 0 |
| 41 | BRS | 1 | '09/965,410' | USPAT; US-PGPU B | 2003/11/21 12:55 | | | 0 |
| 42 | BRS | 1 | '09/965,410' and (raman with (fiber waveguide\$1)) | USPAT; US-PGPU B | 2003/11/21 13:03 | | | 0 |
| 43 | BRS | 1 | ((("6594288").pn.) and (raman with (fiber waveguide\$1)) | USPAT; US-PGPU B | 2003/11/21 13:04 | | | 0 |
| 44 | BRS | 3 | ("5323404" "6163552" "6181852").pn. | USPAT; US-PGPU B | 2003/11/21 15:09 | | | 0 |
| 45 | BRS | 87 | ((((control\$4 same (vari\$5 tun\$6 vary\$3) near11 (grating\$1 reflect\$4) same grating\$1)) and (wavelength\$1 with center\$3 with grating\$1)) and ((control\$4 same ((vari\$5 tun\$6 vary\$3) near11 grating\$1 near7 reflect\$4)))) and ((control\$4 near9 (stress\$3 strain\$4 electro\$3 heat\$4 electr\$4 current\$1)) same grating\$1) | USPAT; US-PGPU B | 2003/11/21 15:50 | | | 0 |